

U.S. Serial No. 09/806,873
Reply to Office Action of: July 26, 2005
Family Number: P1998J096 US2

Page 2

AMENDMENTS TO THE CLAIMS

Claims 1, 2, 3, 4 and 5. (cancelled)

Claim 6. (currently amended) A method for ~~enhancing the~~ lubricating a gas engine by
using an enhanced life of gas engine oil as evidenced by a reduction in at least
one of viscosity increase, oxidation, nitration, TAN increase, and TBN depletion of the
gas engine oil, said gas engine oil comprising ~~adding to~~ a gas engine oil base stock
having a viscosity of at 100°C of from 9 to 13 cSt, the base stock being a synthetic,
hydrocracked or solvent refined oil or mixture thereof ~~but which base stock does not~~
~~contain a base stock having a viscosity of 20 cSt or higher at 100°C~~, a minor amount of
an anti oxidant in the range of about 0.1 to 2 vol%, from about 0.2 to about 0.5 vol% of
antiwear additives, and ~~a minor~~ an amount of a viscosity index improver not
sufficient to produce a multi-grade gas engine oil lubricating composition, the amount
used being in the range of about 0.1 to 3 vol%, which gas engine oil lubricating
composition does not contain aminic anti oxidants, and, wherein the anti oxidant is
selected from the group consisting of phenolic anti oxidants, and a minor amount of a
low ash gas engine oil detergent system having a TBN of about 50 to about 300 wherein
the gas engine oil has a low ash content in the range of 0.1 to 0.6 wt% and wherein the
life of said gas engine oil is enhanced in comparison to gas engine oils which do not
contain both phenolic anti oxidant(s) and viscosity index improver(s).

Claims 7 and 8. (cancelled)

Claim 9. (previously presented) The method of claim 6 wherein the phenol anti
oxidant is added to the lubricating oil in an amount in the range of about 0.3 to 1.75
vol% and the viscosity index improver is added to the lubricating oil in an amount in the
range of about 0.2 to 2 vol%.

Claims 10, 11 and 12. (cancelled)

U.S. Serial No. 09/806,873
Reply to Office Action of: July 26, 2005
Family Number: P1998J096 US2

Page 3

Claim 13. (previously presented) The method of claim 6 wherein the base stock is a mixture of a hydrocracked oil and a solvent refined oil.

Claim 14. (currently amended) The method of claim 6, 9 or 13 wherein the detergent system is a mixture of detergents comprising at least one first alkali or alkaline earth metal salt or mixture thereof having a TBN below about 250 and at least one second alkali or alkaline earth metal salt or mixture thereof having a TBN of about one-half or less of the first salt.